Bruhat Bangalore Mahanagara Palike

Excecutive Engineer Project Division Dasarahalli

Name of Work:Modified Estimate for Development works to MEI play ground

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Civil Work								
KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. KSRRB M200-12.3. -do- C. Prestressed I Reinforced cement concrete grade M-20 & above.								
					Total Modified Qty		0.00	
					Total Scheduled-B Qty		30.80	
					Qty Upto 125%		0.00	Sqm	366.84	0.00
KSRRB M200-15.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) KSRRB M200- 15.2. -do- B. Rubble stone masonry in cement mortar.								
					Total Modified Qty		0.00	
					Total Scheduled-B Qty		46.12	
					Qty Upto 125%		0.00	Nos	289.68	0.00
KSRRB M200-14.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. KSRRB M200-14.2. -do- Dismantling brick/Tile work B.In cement mortar								
					Total Modified Qty		0.00	
					Total Scheduled-B Qty		82.50	
					Qty Upto 125%		0.00	Nos	589.68	0.00
Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. complete, all as per specification and direction of the Engineer-in-Charge including the cost and conveyance of all materials, cost of labour for all items of work, equipment and other incidental charges for the successful completion of the work. for Earth filled in Existing Structure								
For CC Drain								
MEI Play ground Surrounding								
East Side(11th Main)	1	177.00	1.50	1.10	292.05			
LHS	1	61.00	1.50	1.10	100.65			
West Side(13th Main)	1	201.00	1.50	1.10	331.65			
	1	60.00	1.50	1.20	108.00			
North Side	1	92.80	1.50	1.20	167.04			
2nd Cross Road	1	19.65	1.50	1.20	35.37			

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Cross Road -1	1	21.00	1.50	1.20	37.80			
3rd Cross	2	58.00	1.50	1.20	208.80			
For Foot path								
East Side(11th Main)	1	170.00	2.80	0.30	142.80			
West Side(13th Main)	1	199.50	1.90	0.30	113.72			
	1	95.00	0.45	0.35	14.96			
North Side of MEI Ground (BackSide)	1	12.50	2.85+1.3/2	0.25	6.47			
	1	12.80	1.3+1.1/2	0.25	3.68			
	1	12.20	1.1+1.55/2	0.25	4.03			
	1	12.50	1.7+0.65/2	0.25	3.66			
				Total Modified Qty	1570.67			
				Total Scheduled-B Qty	401.86			
				Qty Upto 125%	502.33	Sqm	224.38	112711.68
				Qty Above 125%	1068.34	Sqm	318.43	340195.15
KSRB 4-1.6: Providing and laying in position plain cement **concrete of mix 1:2:4** using 20mm and downsize clean hard graded jelly of selected quality and clean sieved approved sand for Plinth course, String or Lacing courses, Copings, Sills, Bed Blocks, Anchor Blocks etc.including cost of all materials, formwork, labour charges, HOM of Machineries, loading, unloading ,with all lead and lifts etc., compelte & as per specification and as directed by Engineer.Ground Floor								
				Total Modified Qty	0.00			
				Total Scheduled-B Qty	82.36			
				Qty Upto 125%	0.00	Cum	6270.00	0.00
Providing and constructing granite or **basalt Size Stone Masonry,** in Foundation & Plinth with CM 1:6 (1 Cement : 6 Coarse sand), stones hammer dressed in courses not less than 20cms. high using through bond stones at 200cm apart in each course including cost and conveyance of all materials and other incidental charges, curing etc. complete and all as per specifications and directions of the Engineer-in-charge of the work.								
				Total Modified Qty	0.00			
				Total Scheduled-B Qty	46.12			
				Qty Upto 125%	0.00	Sqm	4970.80	0.00
Earth Filling to the sides of foundation and basement with available excavated & approved earth (excluding rock), including watering, tamping and compaction in layers of 15 cms. thick with all lead and lift and as directed by the Engineer-in-charge including the cost of labour for all items of work, equipment and other incidental charges for the successful completion of the work.								-
East Side(11th Main)								
	1	3.40	1.50	1.20	6.12			
				Total Modified Qty	6.12			
				Total Scheduled-B Qty	375.07			
				Qty Upto 125%	6.12	Sqm	150.77	922.71

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
KSRB 5-14.1 : Providing and constructing load bearing wall with **solid concrete blocks** having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 5.27.1 -do- with solid concrete blocks of size 400x200x200mm								
				Total Modified Qty	0.00			
				Total Scheduled-B Qty	302.50			
				Qty Upto 125%	0.00	Cum	1112.40	0.00
KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of **Design mix M25** with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 ems thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6								
For Foot path								
East Side(11th Main)	1	170.00	2.55	0.16	69.36			
West Side(13th Main)	1	199.50	1.80	0.15	53.87			
North Side of MEI Ground (BackSide)	1	12.50	2.85+1.3/2	0.15	3.88			
	1	12.80	1.3+1.1/2	0.15	2.21			
	1	12.20	1.1+1.55/2	0.15	2.42			
	1	12.50	1.7+0.65/2	0.15	2.19			
				Total Modified Qty	133.92			
				Total Scheduled-B Qty	340.53			
				Qty Upto 125%	133.92	Sqm	7385.00	989025.79
Providing and removing **centering, shuttering.** strutting, proping etc. and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.								
				Total Modified Qty	0.00			
				Total Scheduled-B Qty	351.81			
				Qty Upto 125%	0.00	Sqm	274.00	0.00
Providing and **fabricating Mild steel / High Yield Stength** cold twisted Deformed steel bars conforming to IS:1786-1961 (Tor steel) including straightening, cutting, bending, hooking, lapping and / or welding wherever required, placing in position, tieing with binding wire of approved quality and guage including the cost of binding wire and anchoring to the adjoining members wherever necessary including all laps and wastages, cost of conveyance of high yield stength cold twisted deformed bars and binding wire etc. complete as per design, specification and directions of the Engineer-in-charge of the work including cost & conveyance of all materials & other incidental charges, cost of labour for all items of work, HOM of machinery, lead & lift, loading & unloading etc. complete. (laps, hooks and wastages shall not to be measured and paid).								
				Total Modified Qty	0.00			

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
				Total Scheduled-B Qty	16.17			
				Qty Upto 125%	0.00	Tn	71952.00	0.00
KSRB 15-3.4 : Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. KSRB 15-4.7 Extra for providing and mixing waterproofing compound in cement plaster for brick masonry work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1 :4, 20mm thick cost of materials complete as per specifications.								
				Total Modified Qty	0.00			
				Total Scheduled-B Qty	715.00			
				Qty Upto 125%	0.00	Sqm	198.00	0.00
Providing and **finishing external walls** in one coat with waterpr oof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. with primer								
					0.00			
				Total Modified Qty	0.00			
				Total Scheduled-B Qty	715.00			
				Qty Upto 125%	0.00	Sqm	49.00	0.00
Design detaied engineering supply and erection of structural steel support complete with 2 coat of epoxy primer coating and with necessary fixing transportation. Site supervision &commissioning of tensioned membrance structure including preparation of pvc tensioned membrance roof structure consisting of flying mast out IS make CHS Folder clips aluminium clamp bards hard ware like bolts screws. washers keder profing extrusion receive bolts galvanized cables as per indian standard the tension membrance made from germany make mehier valmex FR 900-Type ii with 100% white colour, PVD lacquer on both sides protected against microbal and fungal attack UV protected with weight of 900g/Sqm with 25 year warranty all inclusive & completed as per the engineer's instruction. as per the direction of engineer incharges & as per drawing enclosed (Uploaded)								
				Total Modified Qty	0.00			
				Total Scheduled-B Qty	475.50			
				Qty Upto 125%	0.00	Sqm	11054.00	0.00
KSRB 4-1.2 : Providing and laying in position **plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms^thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								-
For CC Drain								
MEI Play ground Surrounding								
East Side(11th Main)	1	177.00	1.50	0.15	39.83			
LHS	1	61.00	1.50	0.15	13.73			
West Side(13th Main)	1	201.00	1.50	0.15	45.23			
	1	60.00	1.50	0.15	13.50			
North Side	1	92.80	1.50	0.15	20.88			

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	1	19.65	1.50	0.15	4.42			
	1	21.00	1.50	0.15	4.73			
	2	58.00	1.50	0.15	26.10			
East Side(11th Main)	1	170.00	2.55	0.15	65.03			
West Side(13th Main)	1	199.50	1.80	0.15	53.87			
North Side of MEI Ground (BackSide)	1	12.50	2.85+1.3/2	0.15	3.88			
	1	12.80	1.3+1.1/2	0.15	2.21			
	1	12.20	1.1+1.55/2	0.15	2.42			
	1	12.50	1.7+0.65/2	0.15	2.19			
South Side of MEI Ground	1	7.90	4.00	0.15	2.45			
	1	15.00	3.00	0.15	2.59			
					303.03	Cum	5990.08	1815174.63
Providing laying palin / **reinforced cement concrete for Box Drain** walls of thicknes 10cm to 20 cm including cenmtering shuttering form work etc. complete as per approved drawiong and design MORTH Specification No. 1500,1700,2200 PCC M 20 Grade upto 0.75 m height using concrete mixture								
For CC Drain								
Raft								
MEI Play ground Surrounding								
East Side(11th Main)	1	177.00	1.20	0.15	31.86			
LHS	1	61.00	1.50	0.15	13.73			
West Side(13th Main)	1	201.00	1.20	0.15	36.18			
	1	60.00	1.20	0.15	10.80			
North Side	1	92.80	1.20	0.15	16.70			
2nd Cross Road	1	19.65	1.20	0.15	3.54			
Cross Road -1	1	21.00	1.20	0.15	3.78			
3rd Cross	2	58.00	1.20	0.15	20.88			
Wall								
MEI Play ground Surrounding								
East Side(11th Main)	2	177.00	0.15	0.90	47.79			
LHS	2	61.00	0.15	0.80	14.64			
West Side(13th Main)	2	201.00	0.15	0.80	48.24			
	2	60.00	0.15	0.80	14.40			
North Side	2	92.80	0.15	0.80	22.27			
2nd Cross Road	2	19.65	0.15	0.75	4.42			
Cross Road -1	2	21.00	0.15	0.75	4.73			
3rd Cross	4	58.00	0.15	0.75	26.10			
					320.05	Cum	12355.27	3954358.07
KSRB 4.9.2 : **Providing T.M.T steel reinforcement** for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3(I No-4.46.2,P No-17)								

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
or CC Drain								
onsider 65kg/Cum	1	320.05	65.00		20803.53			
					20803.53			
					20.80	Tn	71946.21	1496734.79
roviding and Fixing **pre cast covering Slab** made out of CC 1:2:4 with 10cm thick and Finishing cutting including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)								
C Drain Top Covering Slab								
MEI Play ground Surrounding								
ast Side(11th Main)	1	170.10	0.90		153.09			
HS	1	61.00	0.90		54.90			
Vest Side(13th Main)	1	201.00	0.90		180.90			
	1	60.00	0.90		54.00			
North Side	1	92.80	0.90		83.52			
2nd Cross Road	1	19.65	0.90		17.69			
Cross Road -1	1	21.00	0.90		18.90			
3rd Cross	2	38.00	0.90		68.40			
					631.40	Sqm	2100.00	1325929.50
Providing and fixing pre cast solid **concrete kerb stones** of size 450x200x400 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting ete., complete.								
CC Drain Top Covering Slab								
MEI Play ground Surrounding								
East Side(11th Main)	1	170.00			378.00			
West Side(13th Main)	1	194.00			431.00			
North Side	1	45.00			100.00			
					909.00	Nos	432.10	392780.91
KSRB15-13 : Applying of distemper KSRB 15-13.1 : Providing and **applying one coat distemper primer** of approved brand on wall surface after throughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter including preparing the surface, even and sand paper smooth, cost of materials, labour, complete as per specifications. -wall surface-								
For Kerb stone								
MEI Play ground Surrounding								
East Side(11th Main)	1	170.10		0.40	68.04			
West Side(13th Main)	1	194.50		0.40	77.80			
North Side	1	45.00		0.40	18.00			
					163.84	Sqm	29.68	4862.34
KSRRB 800-1. **Painting two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8								
For Kerb stone								
MEI Play ground Surrounding								
East Side(11th Main)	1	170.10		0.40	68.04			
West Side(13th Main)	1	194.50		0.40	77.80			

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
North Side	1	45.00		0.40	18.00			
					163.84	Sqm	71.23	11669.61
KSRB 5-11 : Providing and constructing load bearing wall with **solid concrete blocks** of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4								
For Tree pot Around the MEI Ground	80	1.00		0.20	16.00			
	80	1.20		0.20	19.20			
					35.20	Sqm	1076.69	37899.64
							Total Excecuted Cost	10482264.8
							Miscellaneous and Rounding off	2,683.54
							GRAND TOTAL	10484948.4

Assistant Engineer,
Project Division,Dasarahalli
BBMP,Bangalore

Asst. Executive Engineer,
Project Division,Dasarahalli
BBMP,Bangalore

Executive Engineer,
Project Division,Dasarahalli
BBMP,Bangalore

ಪತ್ರ CE/D2/TS/12/18 ದಿನಾಂಕ : 21/01/2019
104.82 Lakhs/- (Rs one
Hundred and Eighty two Lakhs)
ರಗೆ ಅಂದಾಜು ಪತ್ರಿಕೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು